

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:

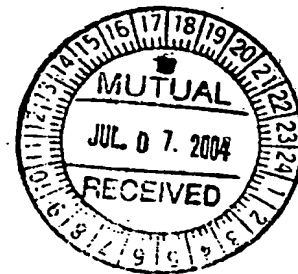
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**PCT**

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)



Date of mailing  
(day/month/year) 30 JUNE 2004 (30.06.2004)

Applicant's or agent's file reference  
OPP047003KR

**FOR FURTHER ACTION**

See paragraph 2 below

International application No.  
**PCT/KR2004/000544**

International filing date (day/month/year)  
**15 MARCH 2004 (15.03.2004)**

Priority date(day/month/year)  
20 MARCH 2003 (20.03.2003)

International Patent Classification (IPC) or both national classification and IPC  
**IPC7 C09J 133/10**

Applicant

**LG CHEM, LTD. et al**

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☒ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  
For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/KR



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**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/KR2004/000544

**Box No. 1 Basis of this opinion**

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This opinion has been established on the basis of a translation from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).

2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

- ☐ a sequence listing  
☐ table(s) related to the sequence listing

b. format of material

- ☐ in written format  
☐ in computer readable form

c. time of filing/furnishing

- ☐ contained in the international application as filed.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority for the purposes of search.

3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

**WRITTEN OPINION OF THE  
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**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Claims	1-10	YES
	Claims		NO
Inventive step (IS)	Claims		YES
	Claims	1-10	NO
Industrial applicability (IA)	Claims	1-10	YES
	Claims		NO

**2. Citations and explanations :**

Reference is made to the following documents:

- D1) JP 09-040927 A
- D2) JP 59-152977 A
- D3) JP 10-152658 A
- D4) JP 08-081658 A

**I-Novelty:**

Claim 1 of the present invention is concerned with acrylic pressure sensitive adhesive composition comprising acrylic copolymer of (metha)acrylate monomer and vinyl monomer with hydroxyl group and polyfunctional isocyanate as a curing agent. Although D1 cited in the international search report discloses acrylic pressure sensitive adhesive composition, certain component is slightly different from that of claim 1 of the present invention. And also, D2-D4 cited in the international search report do not refer to copolymer without carboxyl group. Accordingly, the subject matter of claim 1 seems to be novel.(PCT Article 33(2)). Claims 2-9 also comply with PCT Article 33(2) as they are dependent claims. Claim 10 concerning an electromagnetic wave shield film for plasma display panel must be novel as long as the acrylic pressure sensitive adhesive composition of claim 1 is novel.

**WRITTEN OPINION OF THE  
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**Box No. VIII Certain observations on the international application**

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

Drawings of this application are not filed in spite of the statement in the description, contrary to Article 6 PCT.

**WRITTEN OPINION OF THE  
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**Supplemental Box**

In case the space in any of the preceding boxes is not sufficient.

Continuation of :

V.

II-Inventive step:

**1) Concerning claim 1 (Independent claim)**

Even if the acrylic pressure sensitive adhesive composition is slightly different from the acrylic pressure sensitive adhesive composition described in D1, it is very easily modified from the reference D1 by the skilled person in the art. Application of acrylic pressure sensitive adhesive composition to electromagnetic wave shield film for plasma display panel is well known in this field. Therefore, claim 1 does not meet the criteria set out in PCT Article 33(3).

**2) Concerning claims 2 to 9 (Dependent claims)**

Claims 2 to 9 disclose typical components of acrylic pressure sensitive adhesive composition. D1 and D2 disclose potential components of acrylic pressure sensitive adhesive composition limited in these claims. In the case of the combination of D1 and D2, claims 2 to 9 seem to be obvious for the skilled person in the art.

**3) Concerning claim 10 (Independent claim)**

Claim 10 relates to an electromagnetic wave shield film for plasma display panel manufactured by using the acrylic pressure sensitive adhesive composition according to any one of claims 1 to 9. It appears obvious for the skilled person in the art to apply the above resin composition to an electromagnetic wave shield film for plasma display panel.

Claims 1 to 10 meet the criteria set out in PCT Article 33(4), because they are directed to acrylic pressure sensitive adhesive composition and electromagnetic wave shield film for plasma display panel using the same.